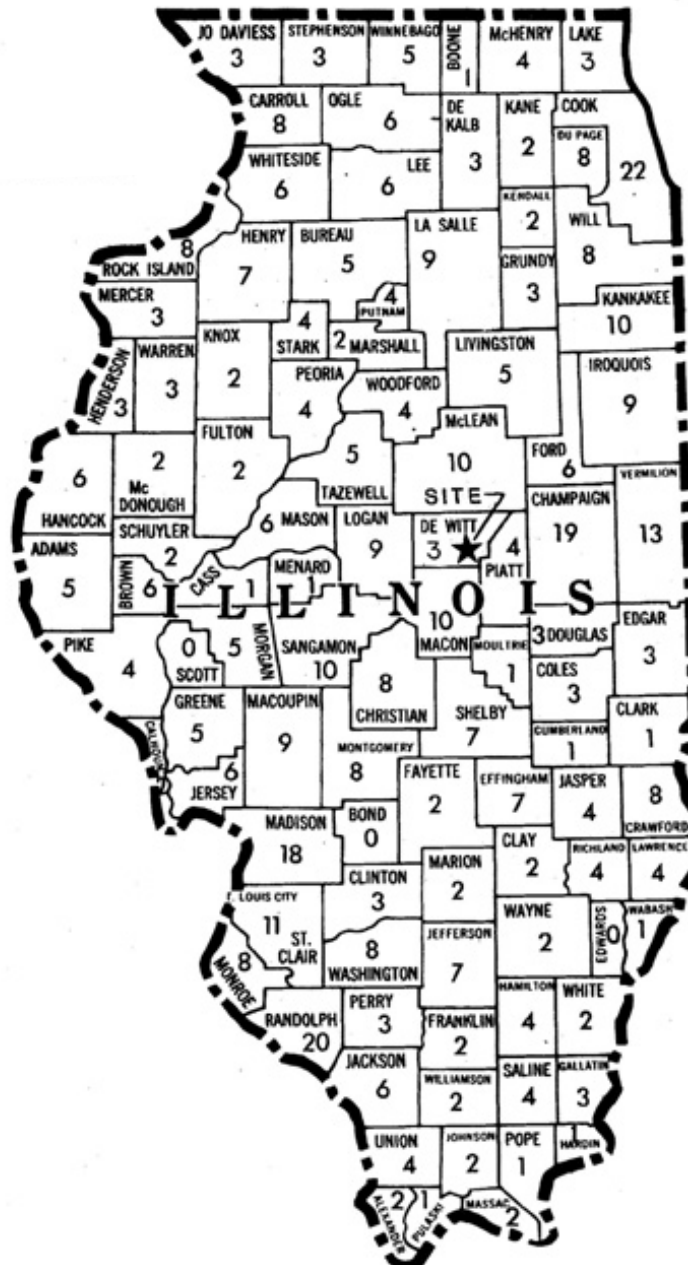


Site Safety Analysis Report for
the EGC Early Site Permit

Figure 2.3-1
Number of Tornadoes
per County
(1916-1969) 54 Year Period



Legend



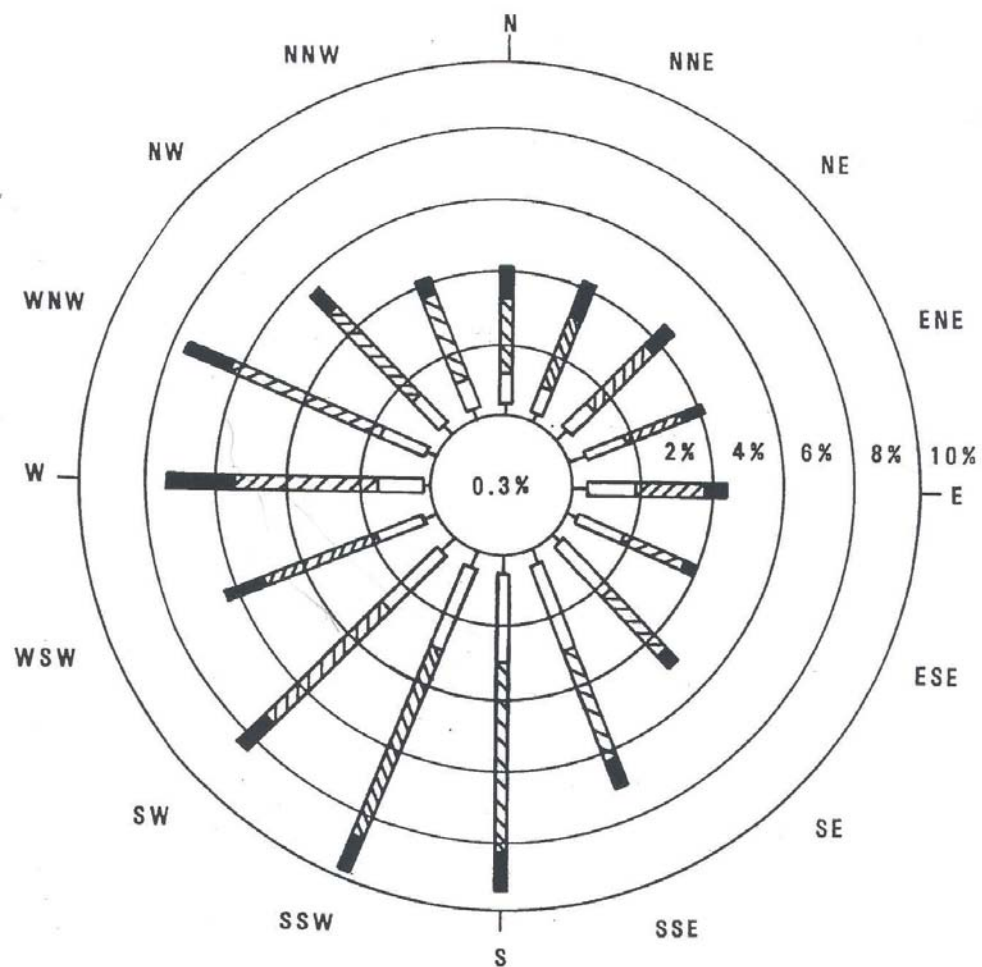
9 denotes the number of tornadoes reported in Iroquois County during the period 1916-1969

Data Source:
CPS, 2002

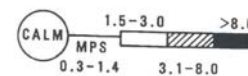


Not to Scale

Figure 2.3-2
Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Period of Record:
4/14/72-4/30/77



Legend



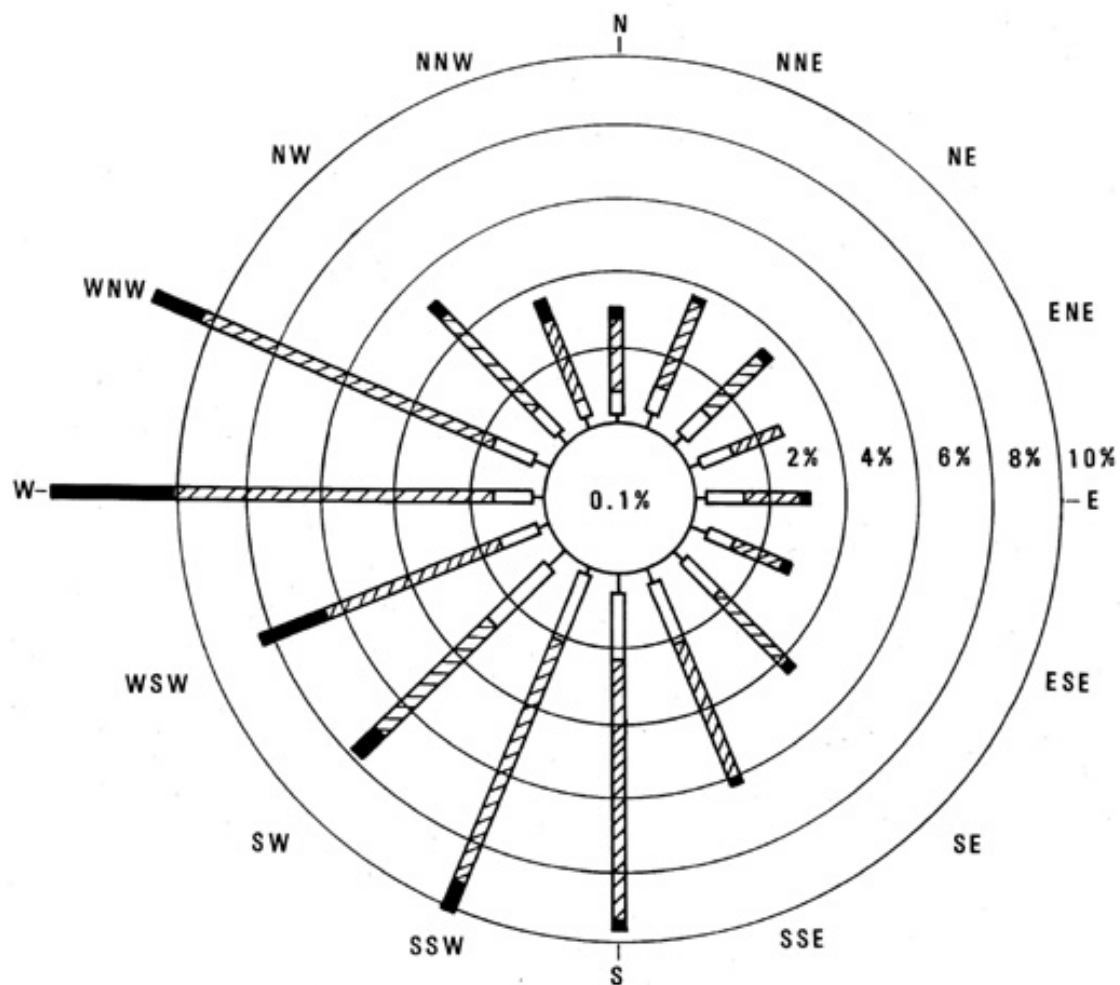
Data Source:
CPS, 2002

Not to Scale

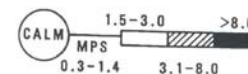
Figure 2.3-3

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite January**

Period of Record: 4/14/72-4/30/77



Legend



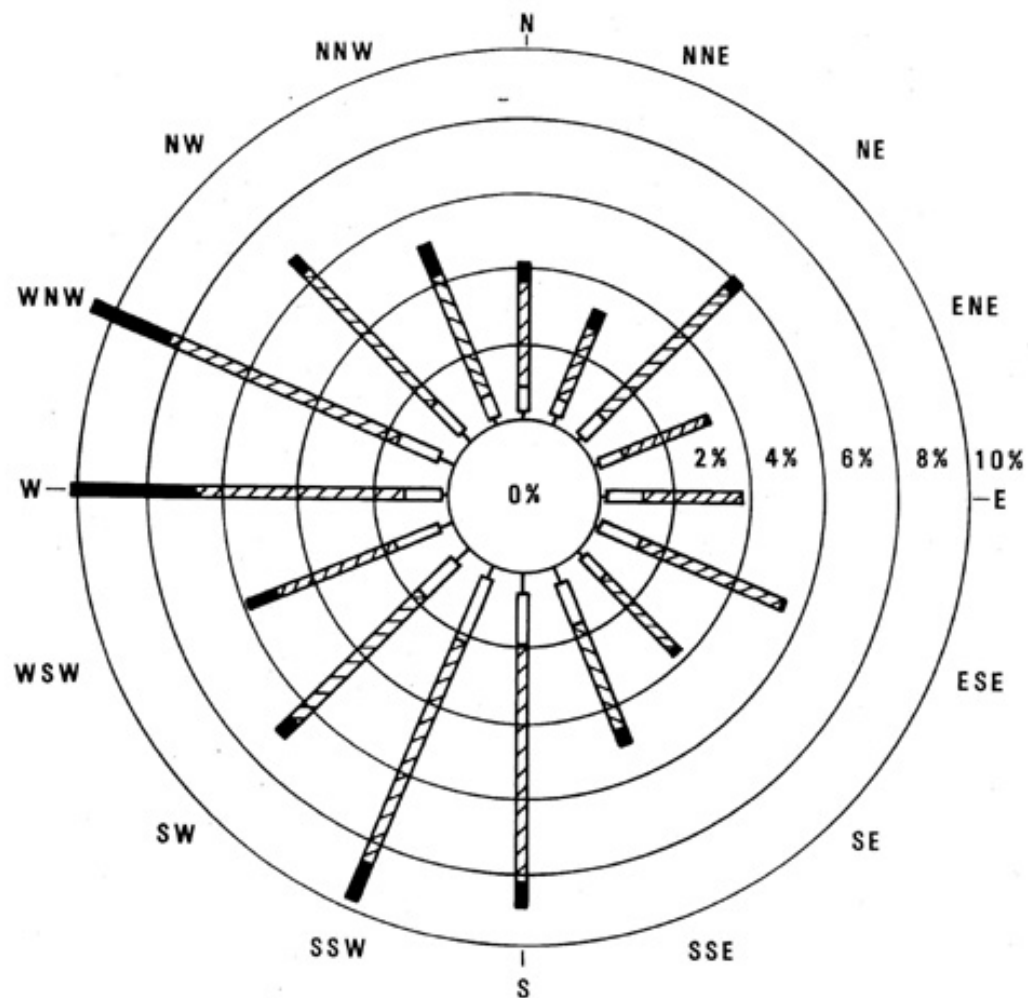
Data Source:
CPS, 2002

Not to Scale

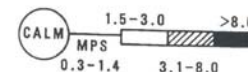
Figure 2.3-4

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite February**

Period of Record: 4/14/72-4/30/77



Legend



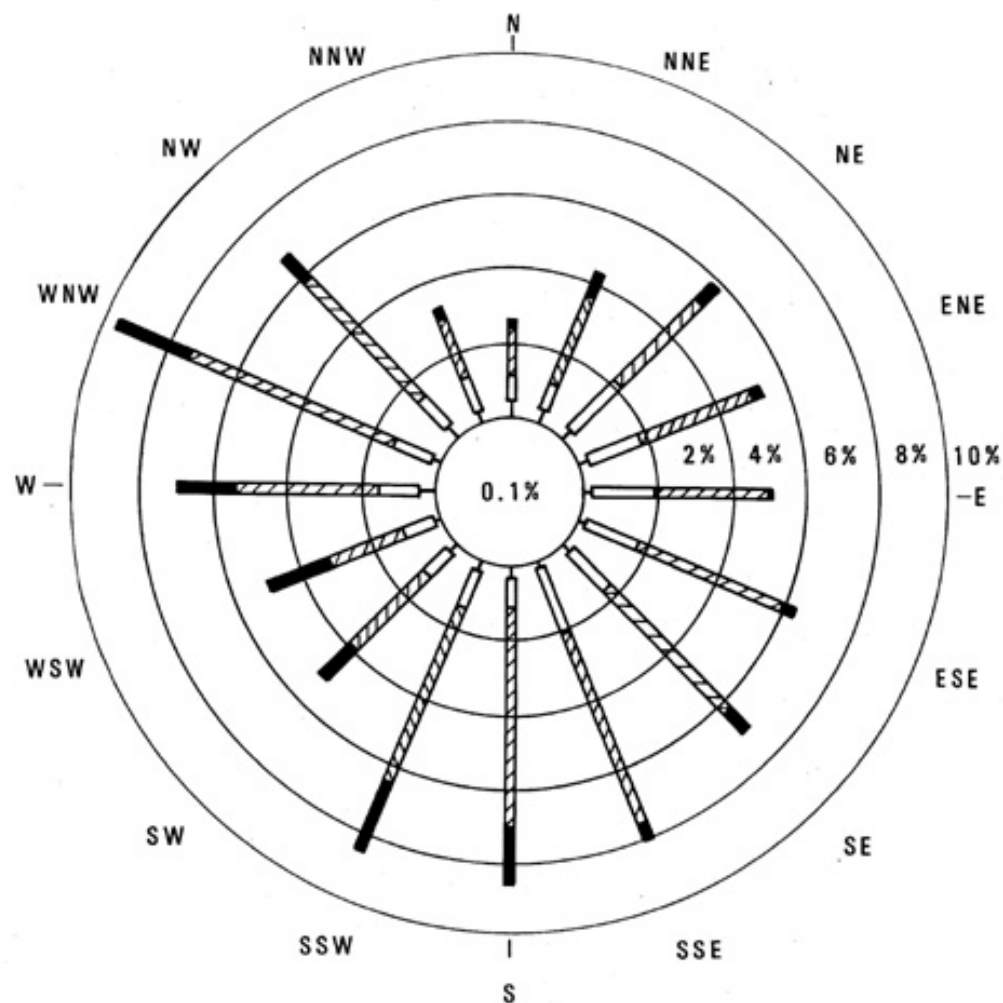
Data Source:
CPS, 2002

Not to Scale

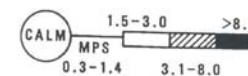
Figure 2.3-5

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite March**

Period of Record: 4/14/72-4/30/77



Legend



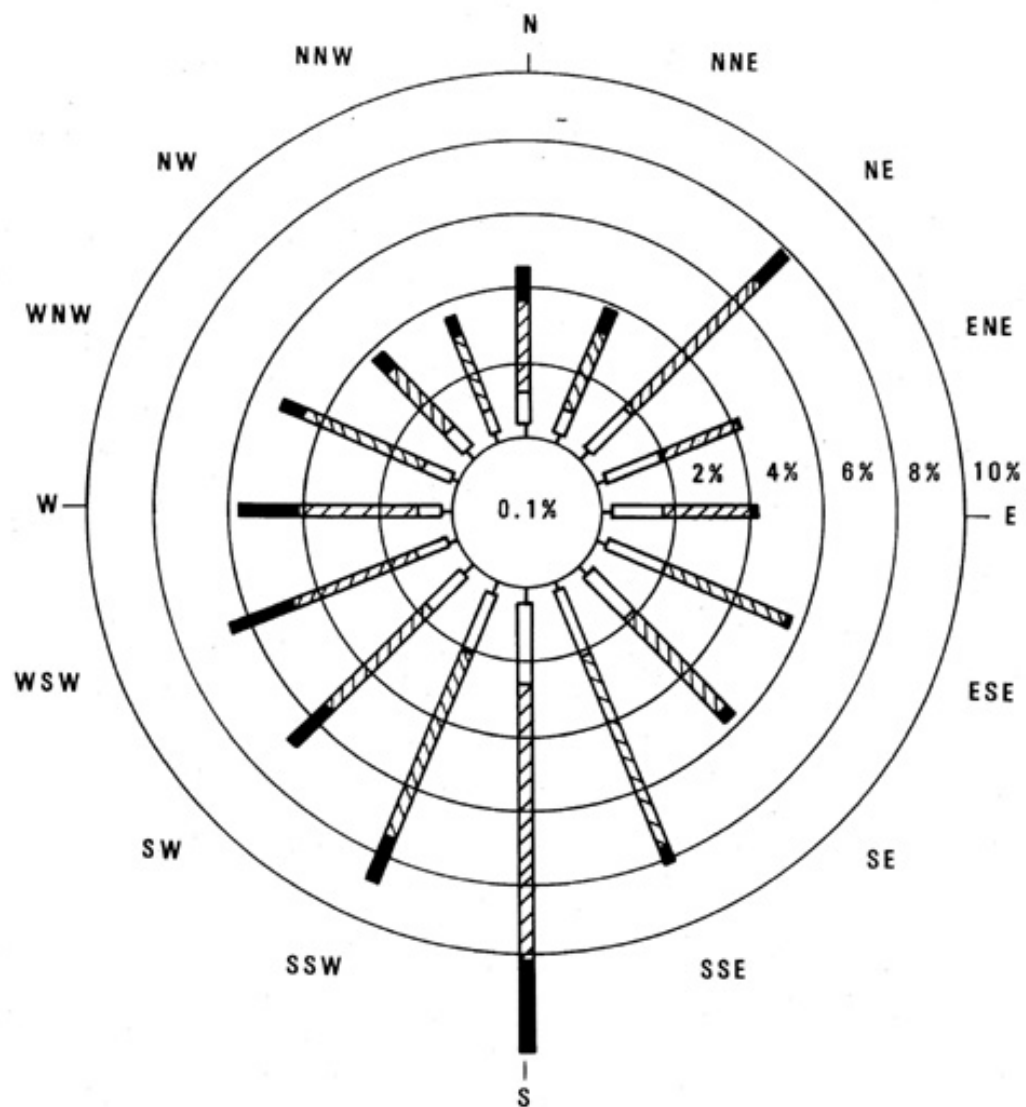
Data Source:
CPS, 2002

Not to Scale

Figure 2.3-6

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite April**

Period of Record: 4/14/72-4/30/77



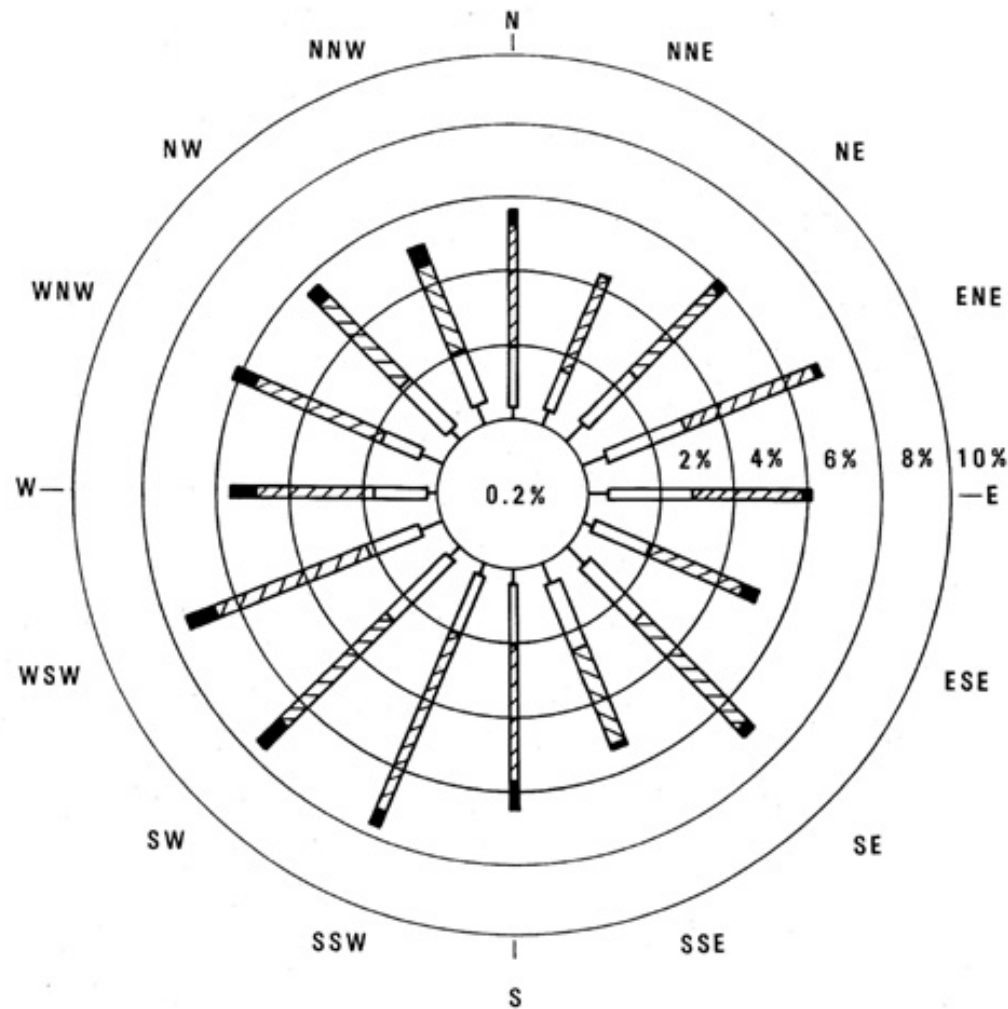
Not to Scale

Site Safety Analysis Report for
the EGC Early Site Permit

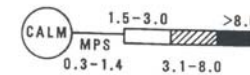
Figure 2.3-7

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite May**

Period of Record: 4/14/72-4/30/77



Legend



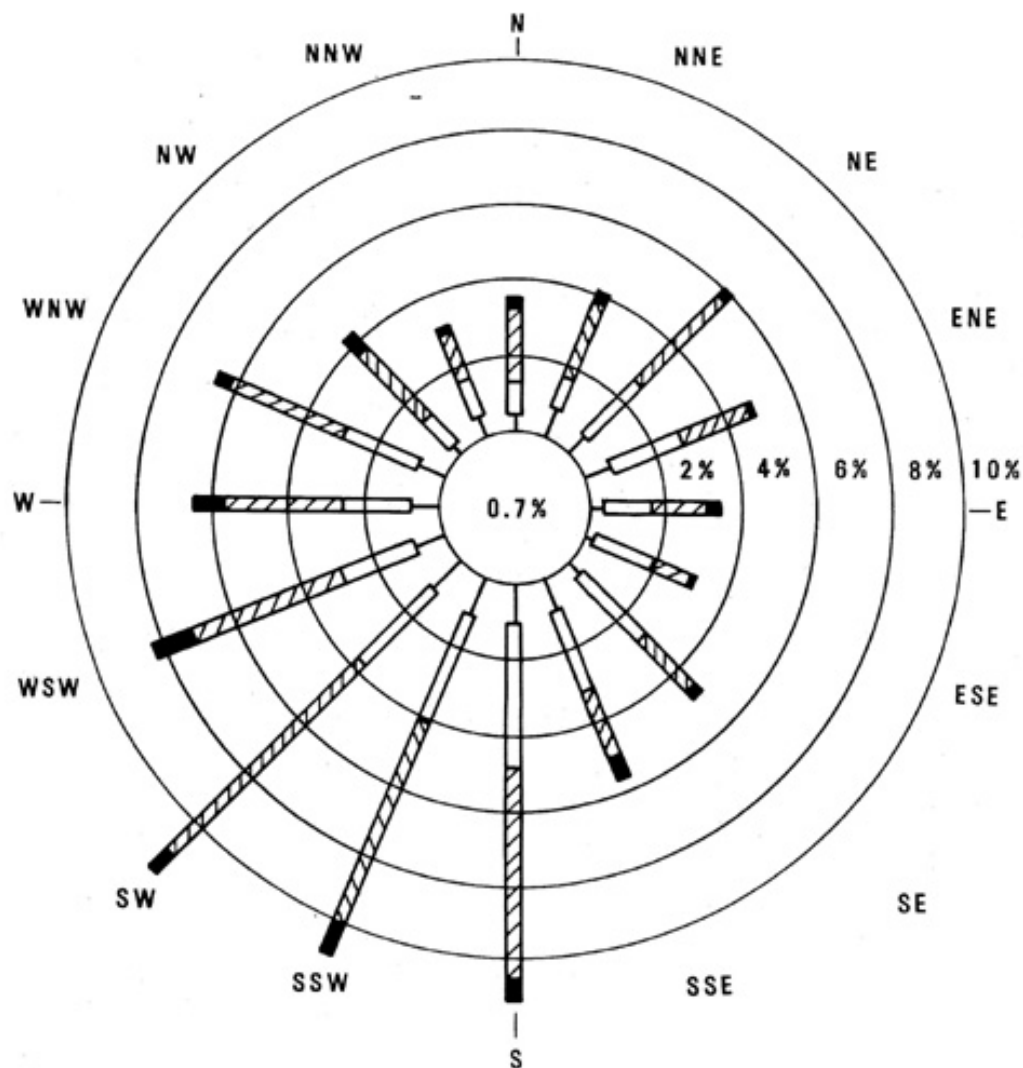
Data Source:
CPS, 2002

Not to Scale

Figure 2.3-8

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite June**

Period of Record: 4/14/72-4/30/77

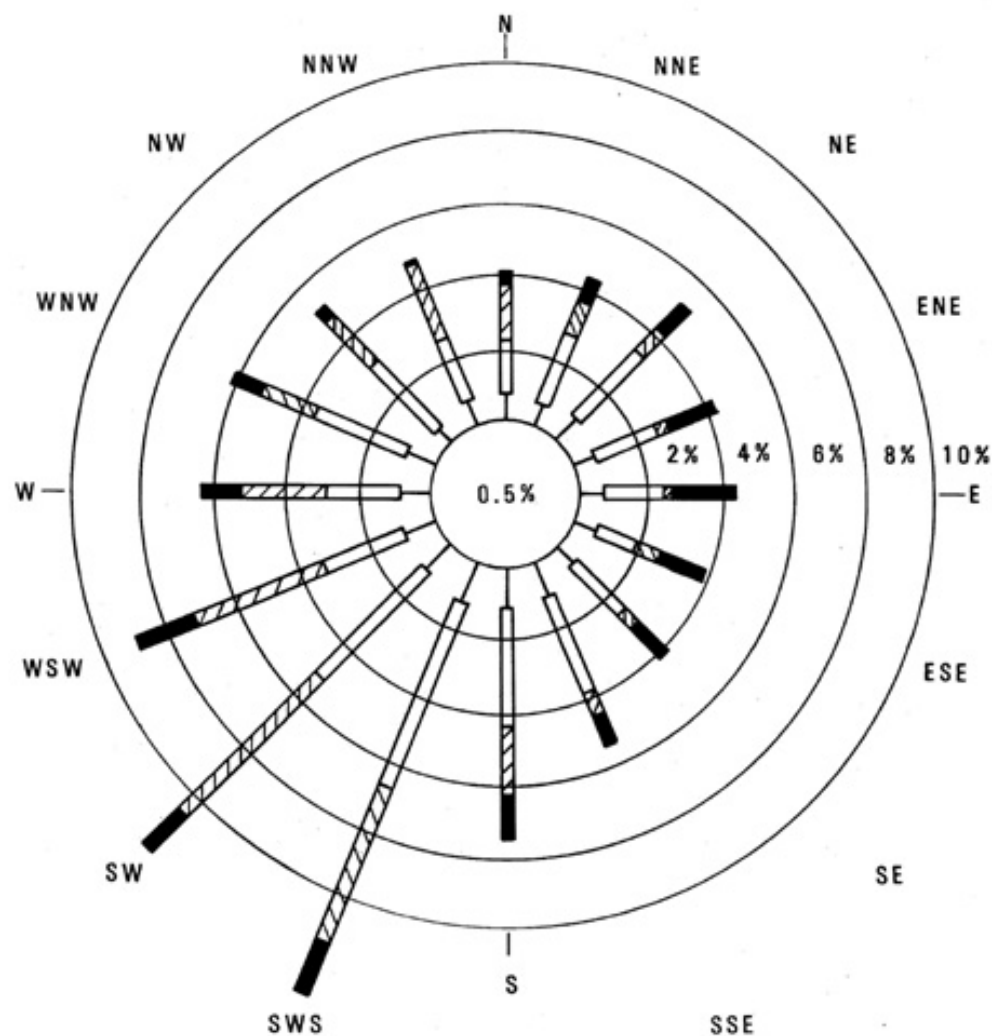


Not to Scale

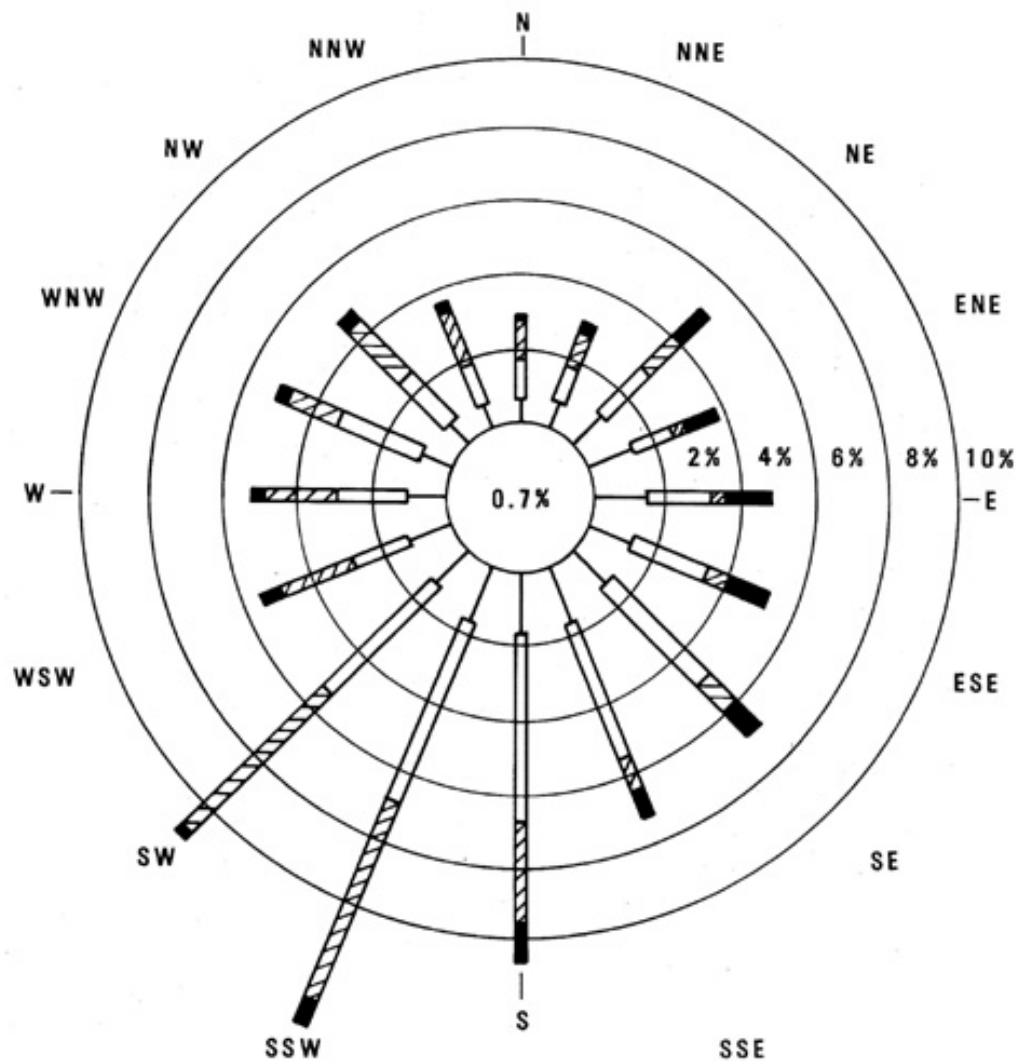
Figure 2.3-9

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite July**

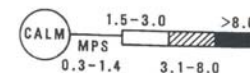
Period of Record: 4/14/72-4/30/77



Site Safety Analysis Report for
the EGC Early Site Permit
Figure 2.3-10
Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite August
Period of Record: 4/14/72-4/30/77



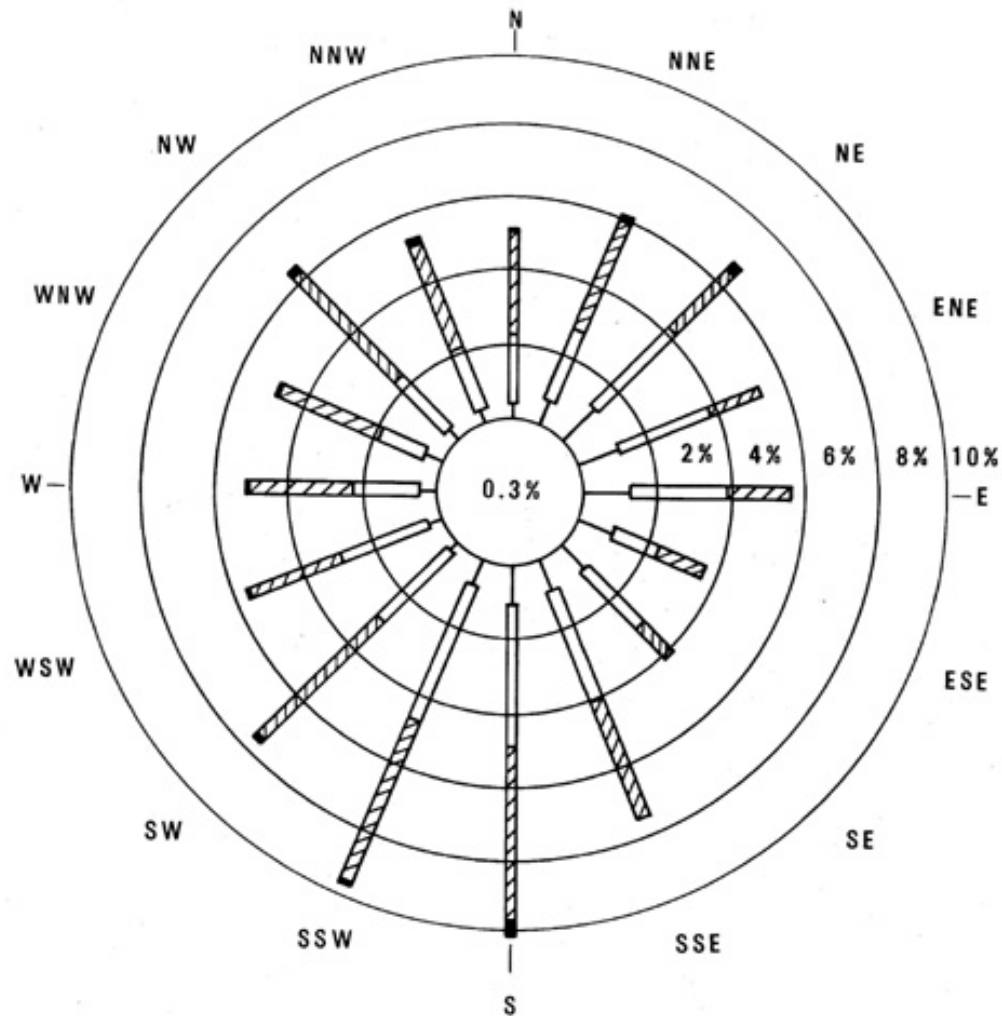
Legend



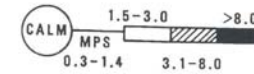
Data Source:
CPS, 2002

Not to Scale

Site Safety Analysis Report for
the EGC Early Site Permit
Figure 2.3-11
Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite September
Period of Record: 4/14/72-4/30/77



Legend



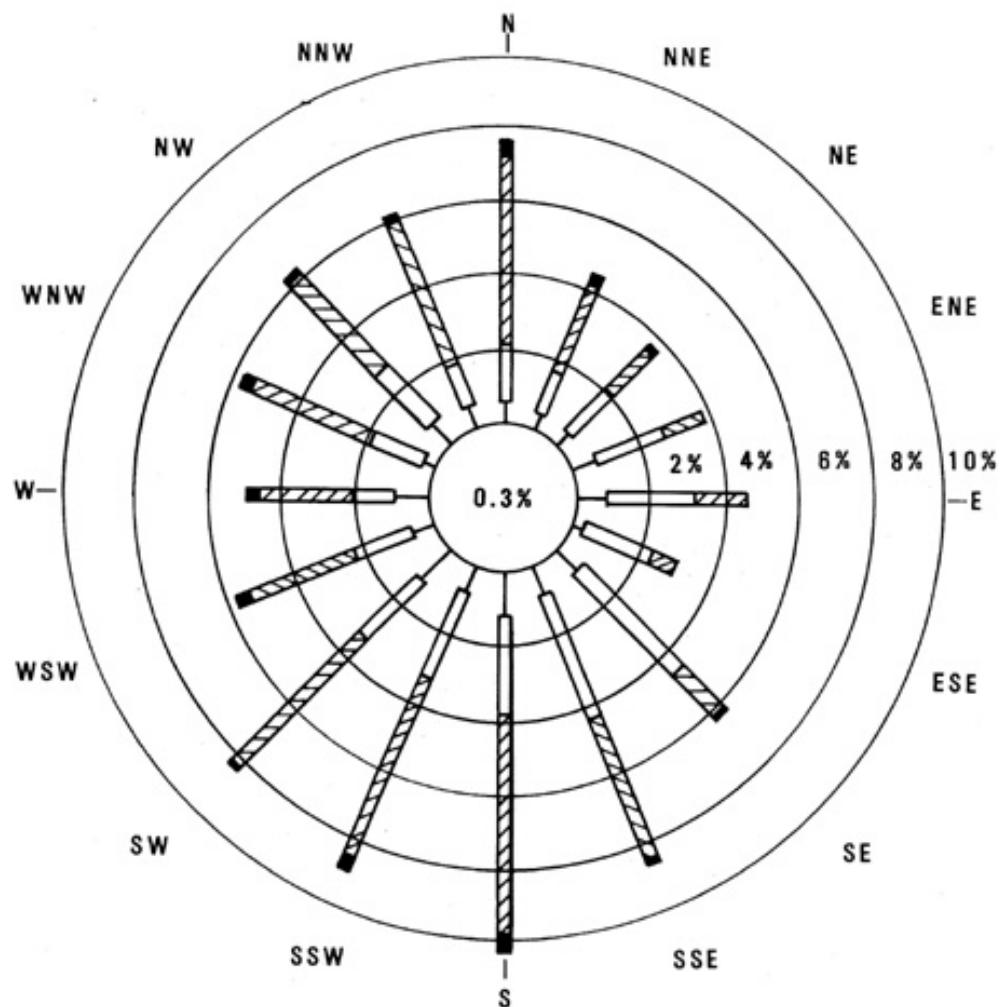
Data Source:
CPS, 2002

Not to Scale

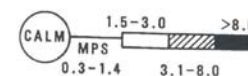
Figure 2.3-12

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite October**

Period of Record: 4/14/72-4/30/77



Legend



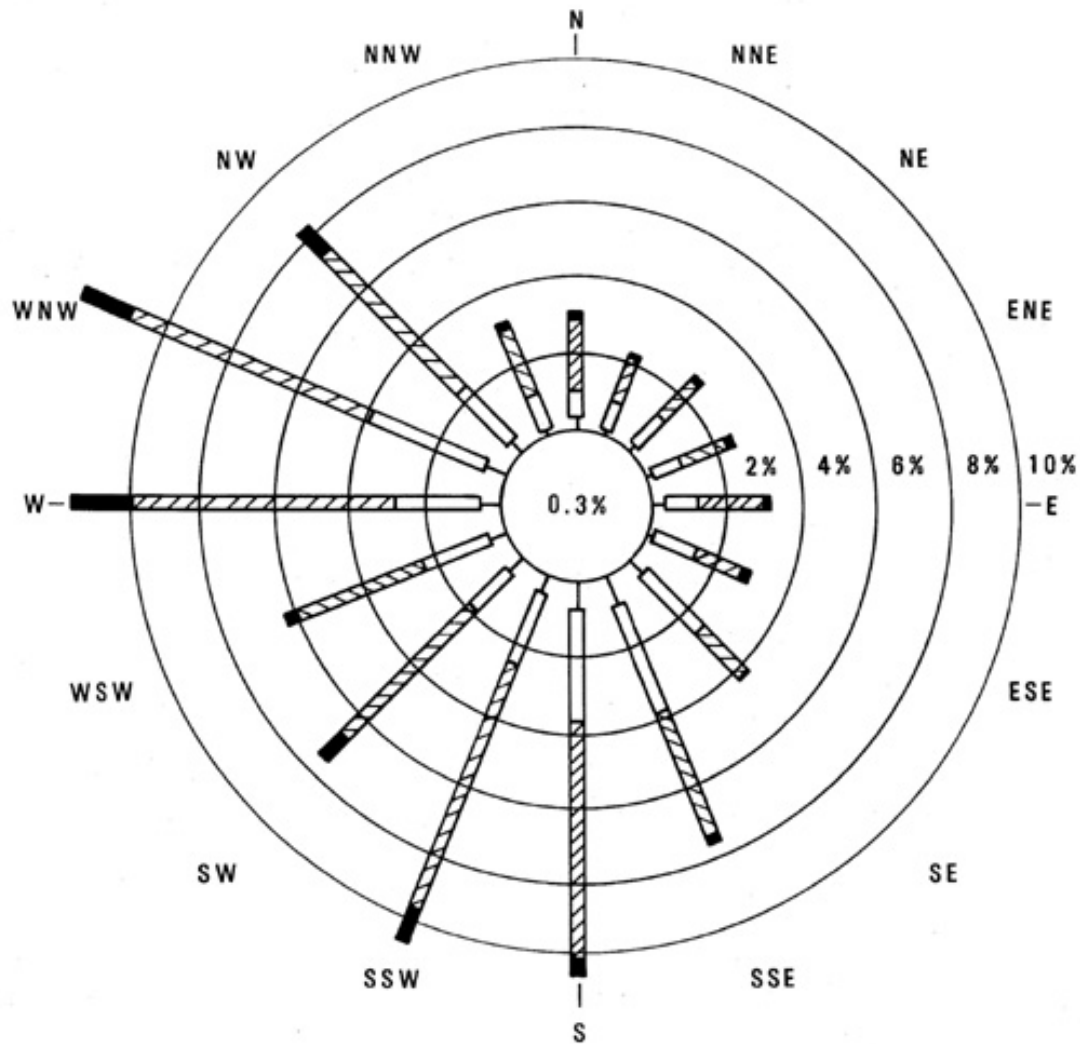
Data Source:
CPS, 2002

Not to Scale

Site Safety Analysis Report for
the EGC Early Site Permit

Figure 2.3-13

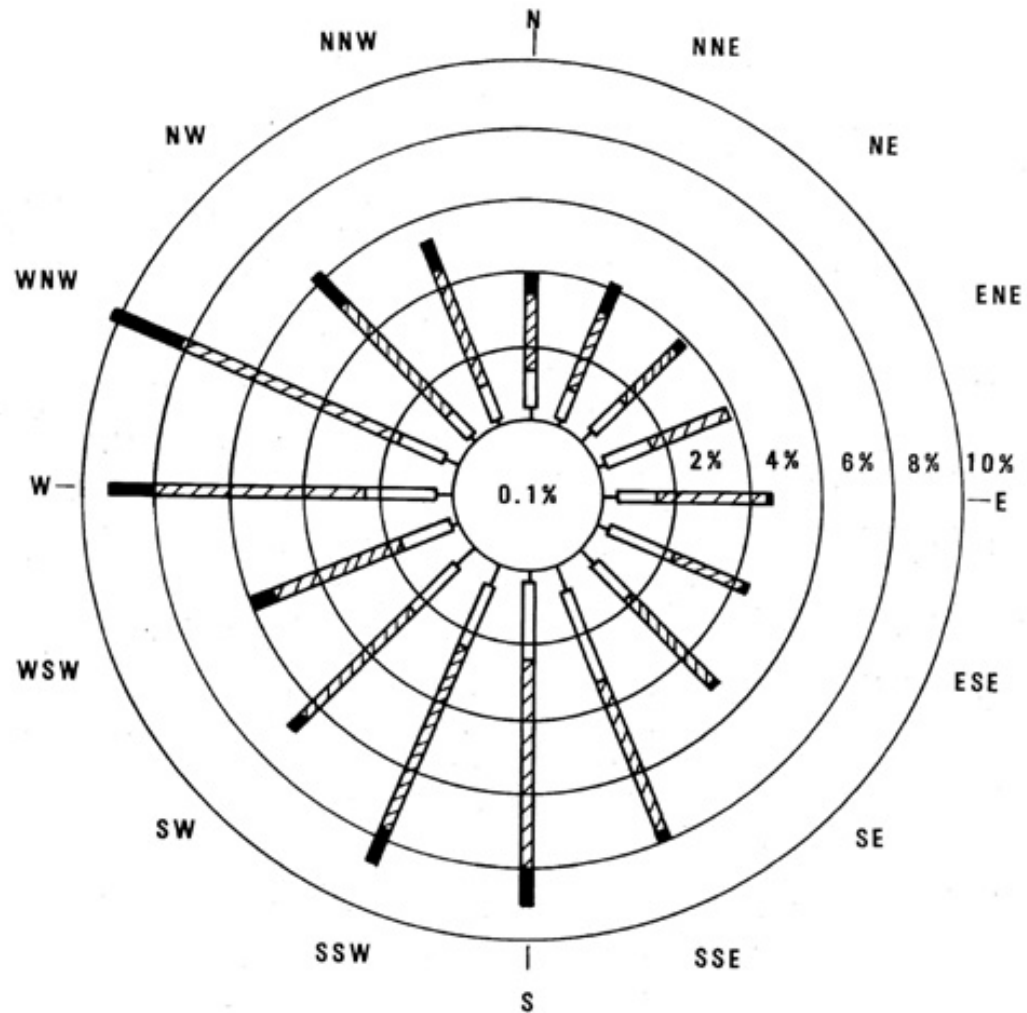
**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite November
Period of Record: 4/14/72-4/30/77**



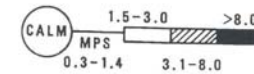
Not to Scale

Figure 2.3-14

**Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Composite December
Period of Record: 4/14/72-4/30/77**



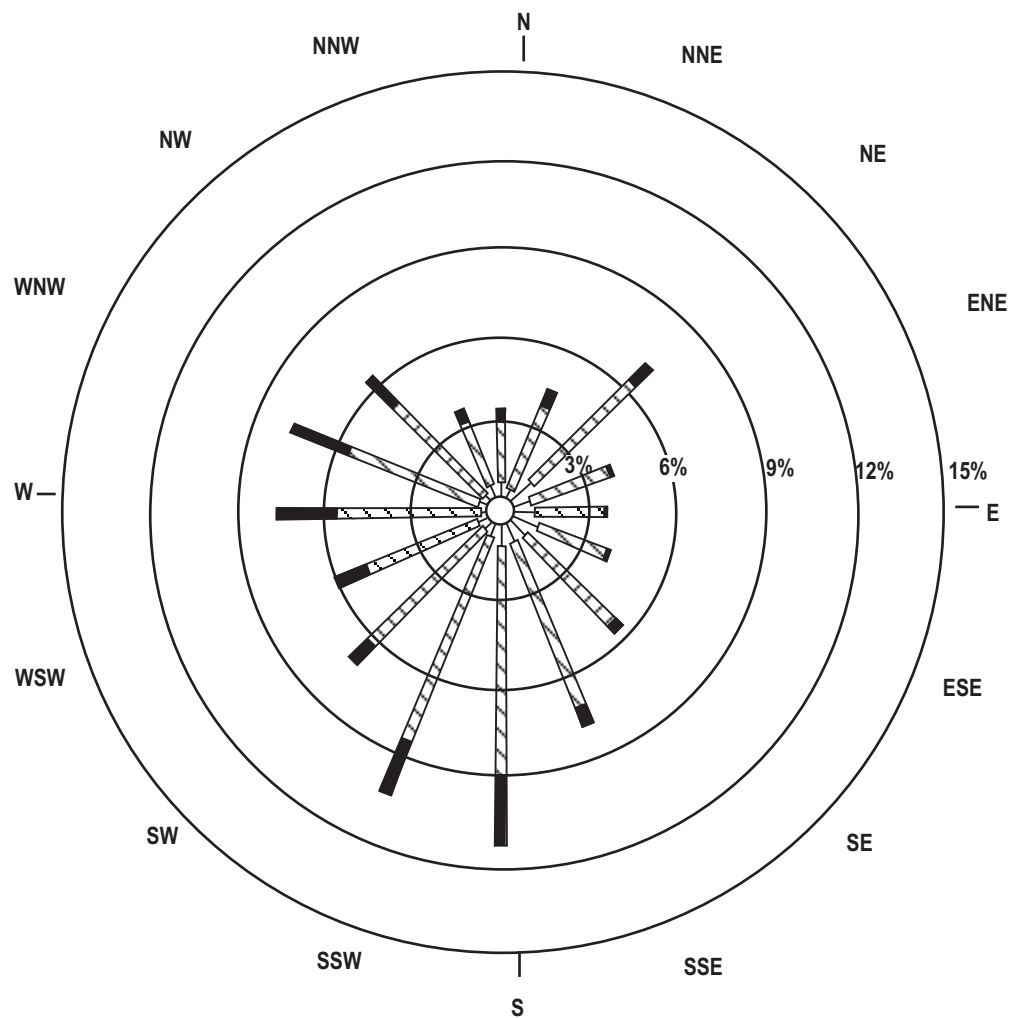
Legend



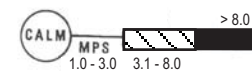
Data Source:
CPS, 2002

Not to Scale

Figure 2.3-15
Wind Rose, 10-Meter Level,
Clinton Power Station Site,
Period of Record: 1/1/00-8/31/02



Legend

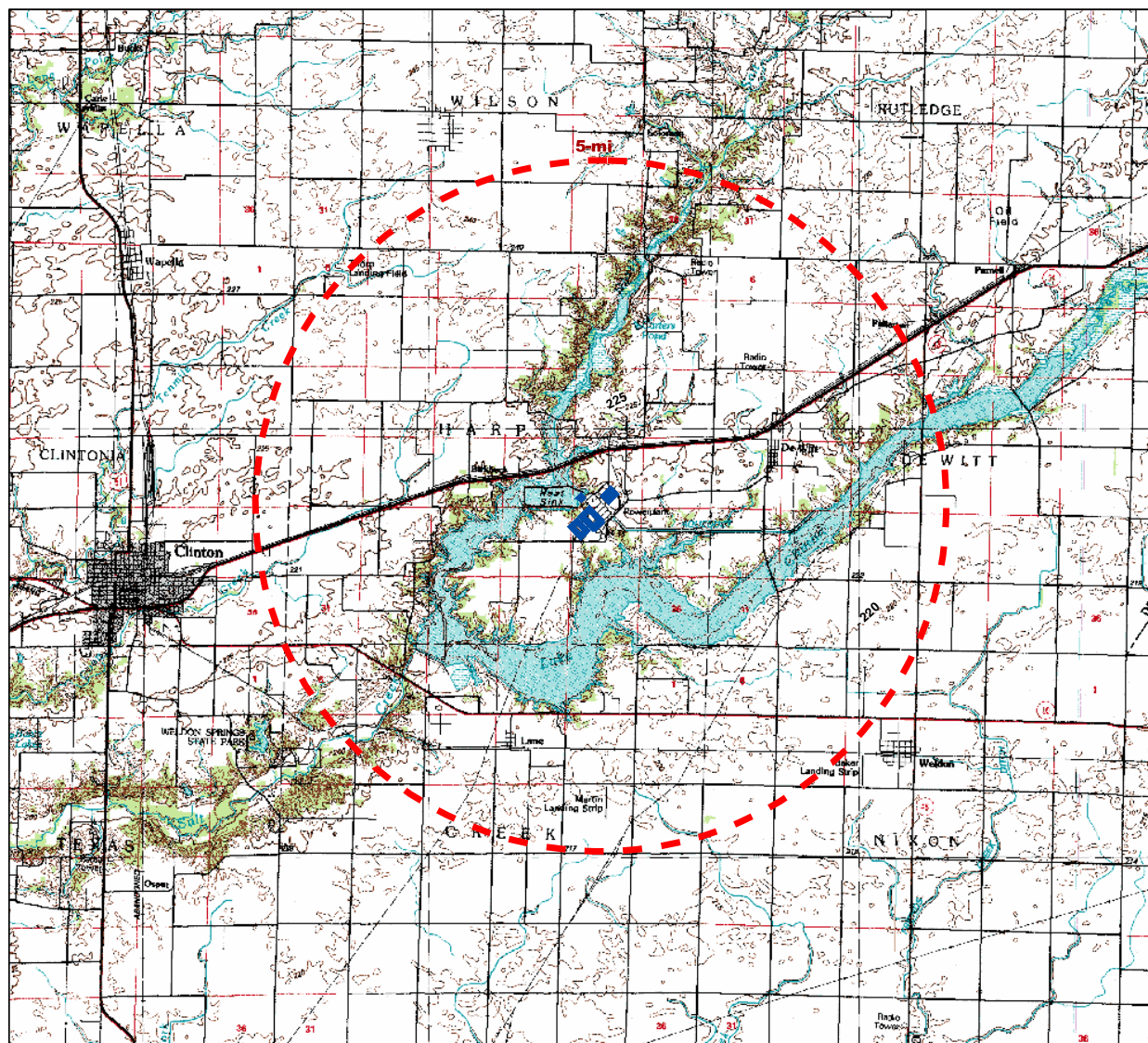


Data Source:
CPS, 2002

Not to Scale

Site Safety Analysis Report for
the EGC Early Site Permit

Figure 2.3-16
Topographic Map Within
5 mi of the EGC ESP Site



Legend

- Proposed Areas for EGC ESP Facility Structures
- Vicinity: 5 mi Around Project Area

Data Sources:
USGS, 1984 and 1989

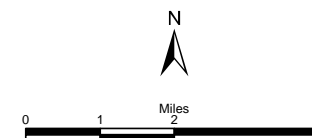


Figure 2.3-17

Topographical Cross Section as a
Function of the Distance From the
EGC ESP Site

Legend

Data Source:
CPS, 2002

Not to Scale

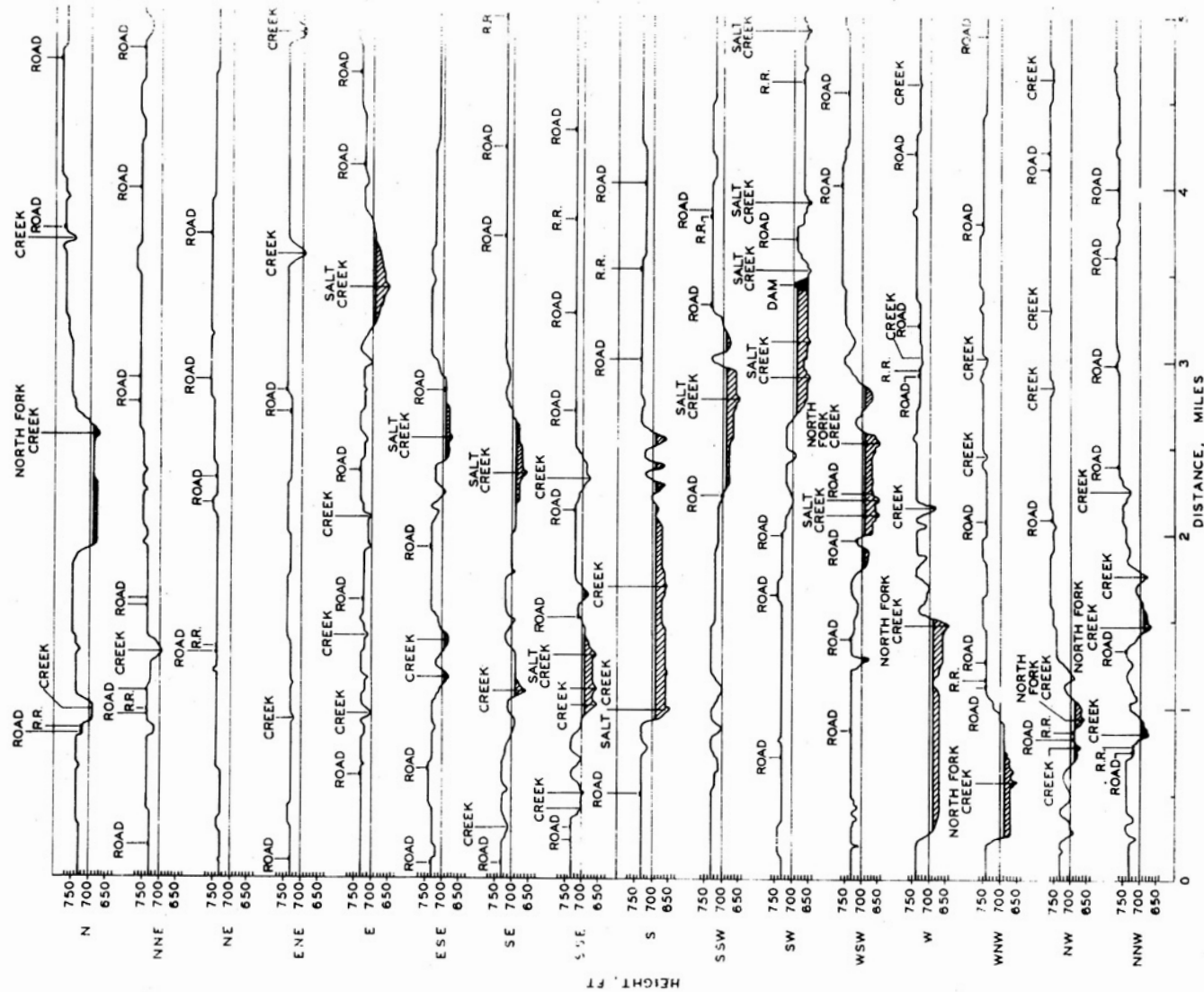
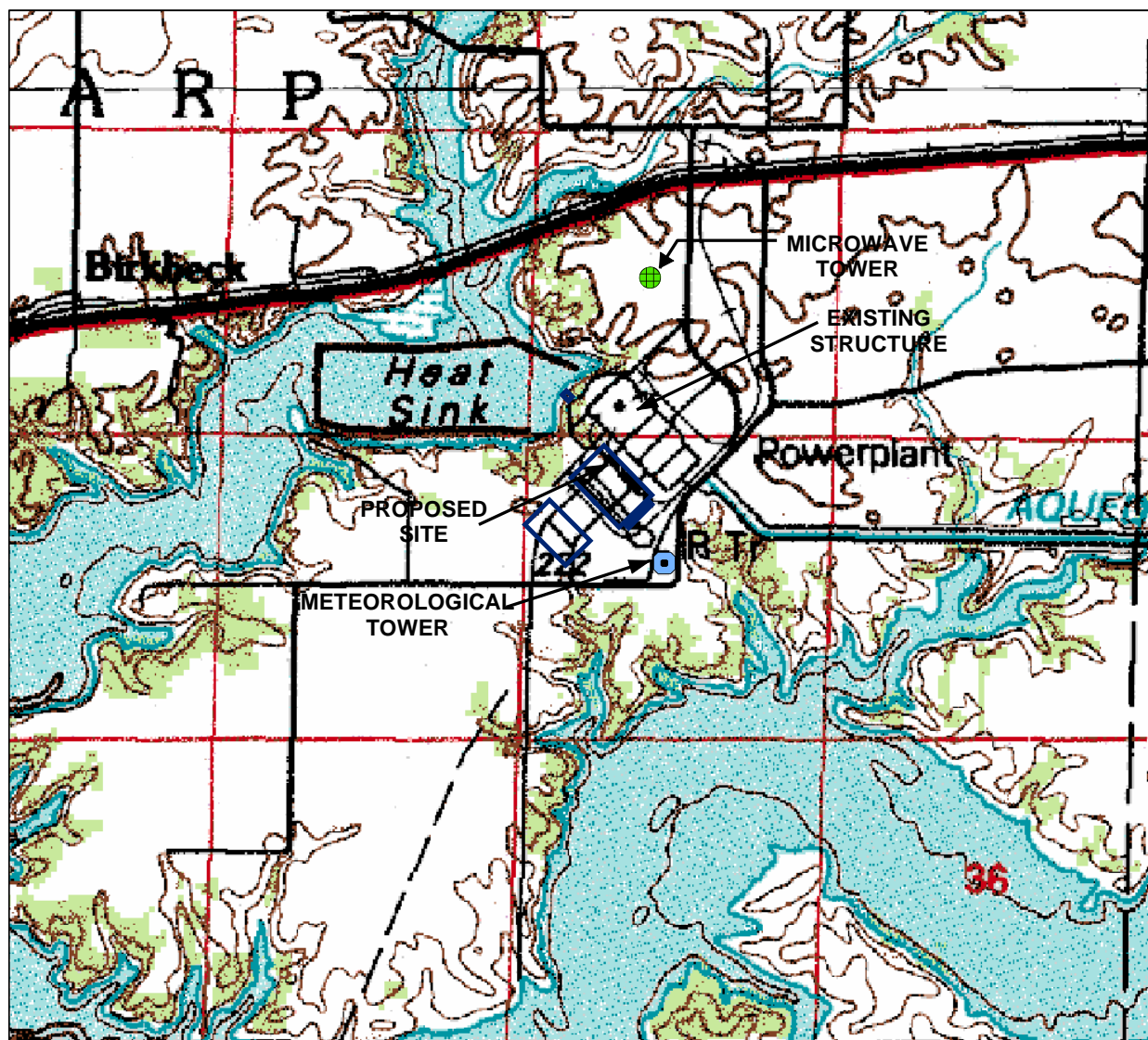



Figure 2.3-18
Topographical Map of the Site Area
Meteorological Tower Location



Legend

 Proposed Areas for EGC ESP Facility Structures

Data Sources:
USGS, 1984 and 1989



**Figure 2.4-1
Plant Location
and Clinton Lake Impoundment**

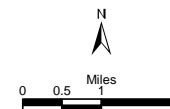
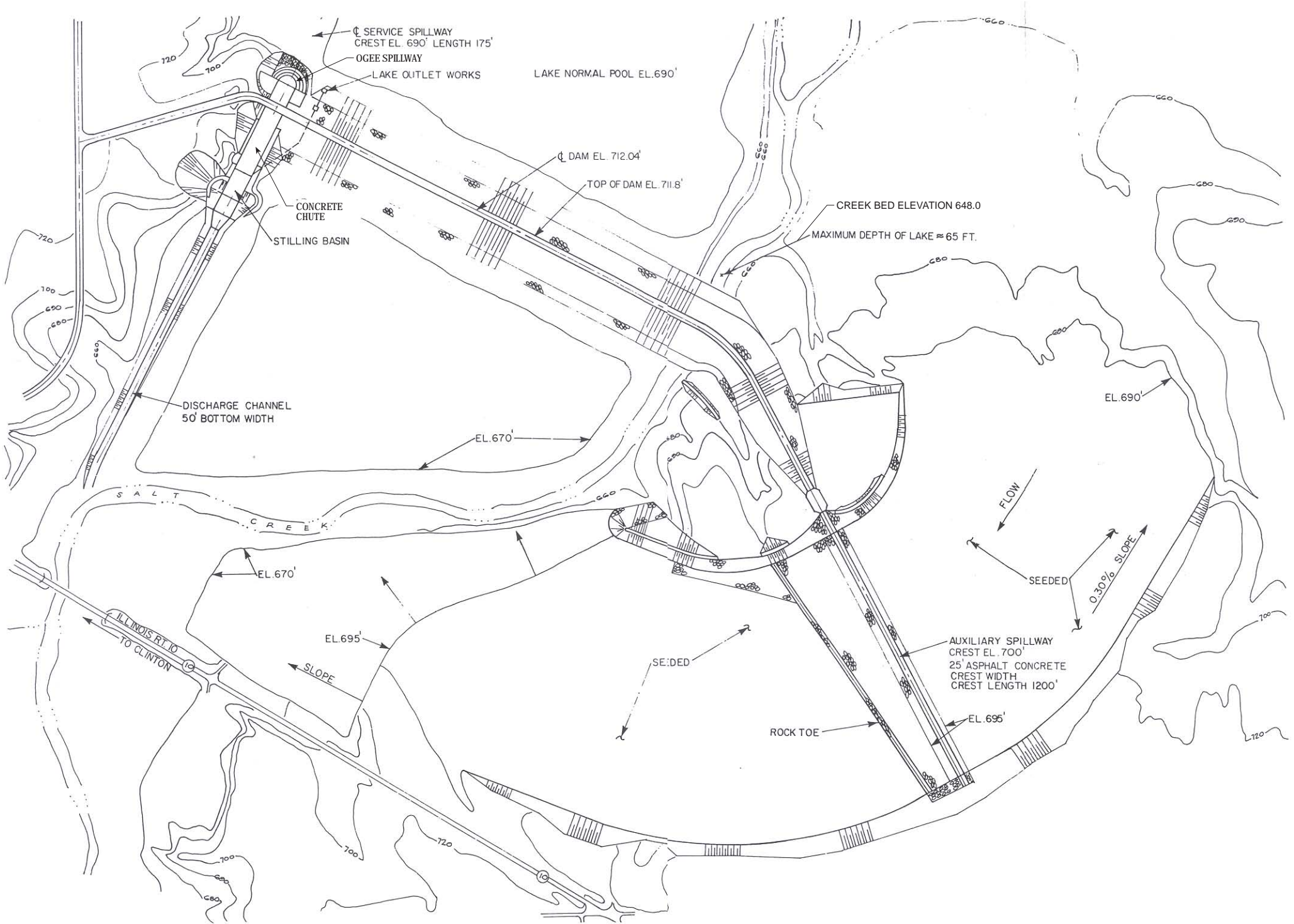


Figure 2.4-2
Plan of Main Dam, Spillways,
and Outlet Works



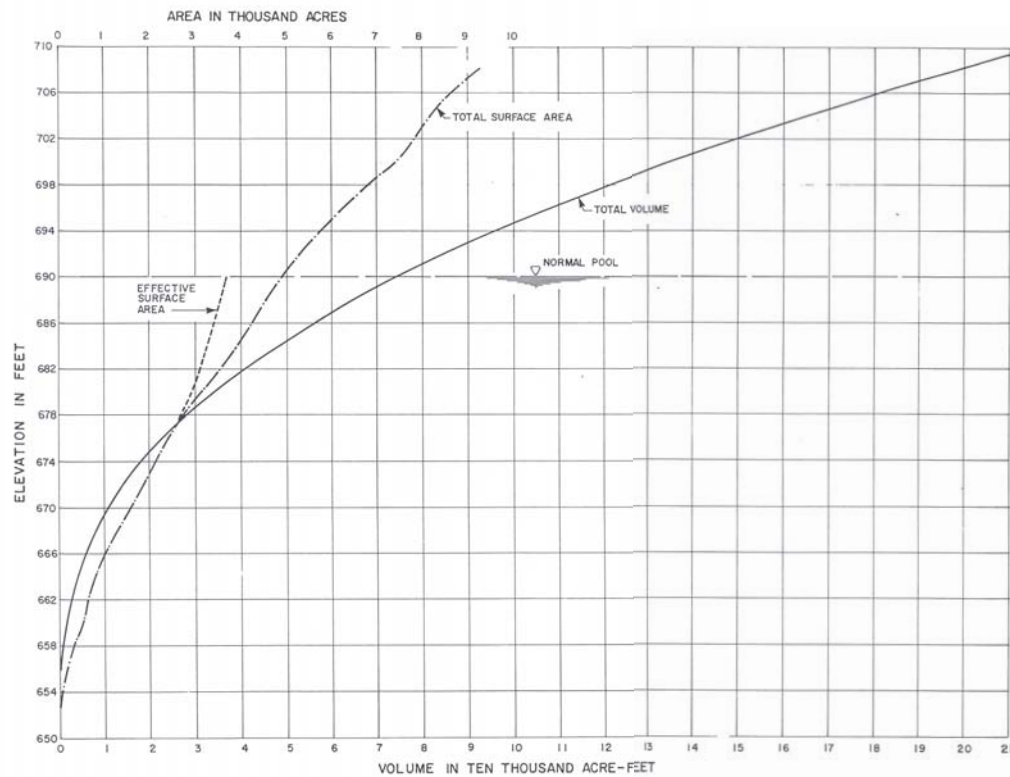
Legend

Data Source:
CPS, 1982



Site Safety Analysis Report for
the EGC Early Site Permit

Figure 2.4-3
**Lake Elevation-
Area Capacity Curves**



ELEVATION IN FEET	AREA IN ACRES	CAPACITY IN ACRE-FEET
680	3,100	33,900
682	3,550	40,600
684	3,930	48,000
686	4,250	56,000
688	4,520	64,800
690	4,895	74,200
692	5,210	83,600
694	5,700	95,000
696	6,140	106,300
698	6,800	120,000
700	7,380	133,300
702	7,800	149,000
704	8,180	164,300
706	8,600	182,000
708	9,260	199,200

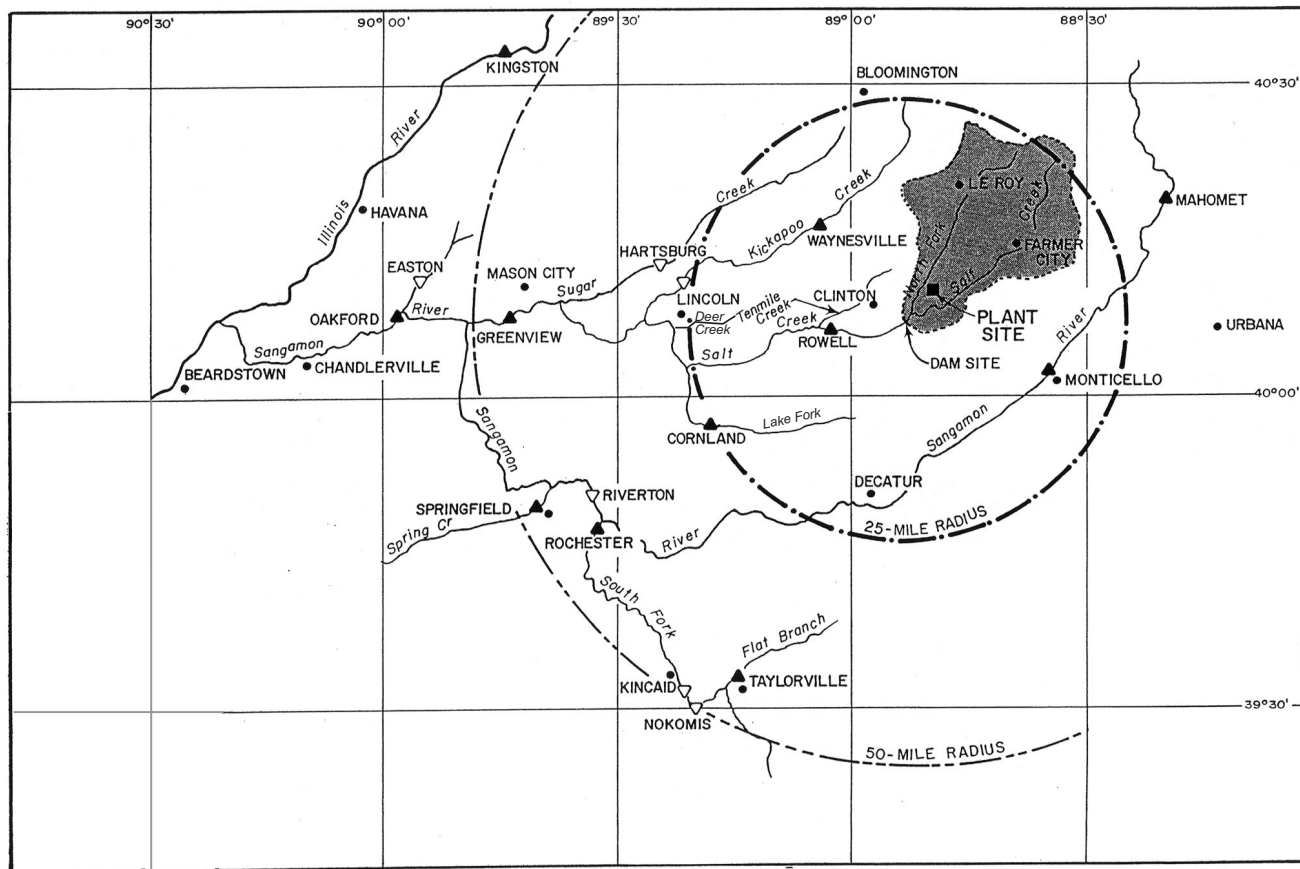
Legend

- Effective Surface Area
- . - Total Surface Area
- Total Volume

Data Source:
CPS, 1982

Not to Scale

Figure 2.4-4
Hydrologic Network
Sangamon River Basin



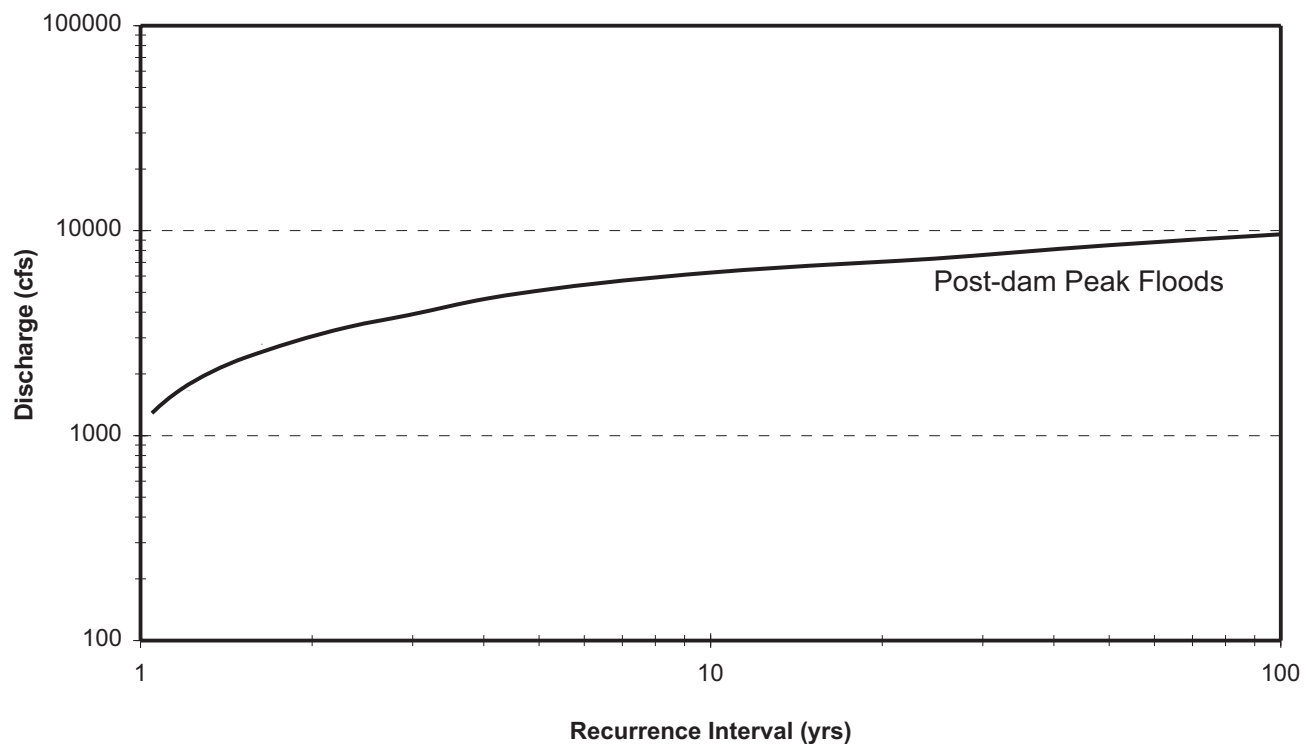
Legend

- ▲ Recording Station
- ▼ Discontinued Station
- Cities

Data Source:
CPS, 1982



Site Safety Analysis Report for
the EGC Early Site Permit
Figure 2.4-5
Post-dam Peak Flood
Magnitudes and Frequencies for
Salt Creek at Rowell Gauge Station



NOTE:
Based on daily mean discharge values.

Data Source:
USGS, 2002

Not to Scale

Figure 2.4-6
Summer and Winter PMP
Intensity Duration Curves

This figure has been deleted with no replacement.